Behavioural Brain Research, 24 (1987) 251–252
Elsevier

Author Index

B

Bagnoli, P., see Bingman, V.P., 147
Bielajew, C., Jurgens, S. and Fouriezos, G., The effect of pulse duration on refractory periods of neurons mediating brain-stimulation reward, 233
Bielajew, C., see Fouriezos, G., 73
Bingman, V.P., Ioalè, P., Casini, G. and Bagnoli, P., Impaired retention of preoperatively acquired spatial reference memory in homing pigeons following hippocampal ablation, 147
Blaha, C.D., see Broderick, P.A., 31
Blozovski, D., see Hess, C., 203
Bock, O., Coordination of arm and eye movements in tracking of sinusoidally moving targets, 93
Broderick, P.A., Blaha, C.D. and Lane, R.F., A functional separation of behavioral stereotypy based on naloxone-reversible effects of seryl enkephalinamide: comparison with morphine, 31
Bryans, C., see Whittle, E.J., 101
Bunch, S.T., see Whishaw, I.Q., 125

C

Calvino, B., Crepon-Bernard, M.-O. and Le Bars, D., Parallel clinical and behavioural studies of adjuvant-induced arthritis in the rat: possible relationship with 'chronic pain', 11
Casini, G., see Bingman, V.P., 147
Cerbone, A., see Lipp, H.-P., 111
Crammond, D.J., see MacKay, W.A., 167
Crepon-Bernard, M.-O., see Calvino, B., 11

D

Davey, M.J., see Rose, F.D., 195
Dell, P.A., see Rose, F.D., 195
De Vos-Korthals, W.H., see Van Hof, M.W., 157
Dunnett, S.B., see Whishaw, I.Q., 125

E

Eckersdorf, B., Gołbiewski, H. and Lewińska, M.K., Kainic acid lesions of the cat's antero-medial hypothalamus and emotional–defensive response evoked by carbachol injection to the same loci, 161

F

Fouriezos, G., Walker, S., Rick, J. and Bielajew, C., Refractoriness of neurons mediating intracranial self-stimulation in the anterior basal forebrain, 73
Fouriezos, G., see Bielajew, C., 233

G

Gołbiewski, H., see Eckersdorf, B., 161
Goldstein, L.H. and Oakley, D.A., Visual discrimination in the absence of visual cortex, 181

H

Hars, B., see Hennevin, E., 243
Heimrich, B., see Lipp, H.-P., 111
Hennevin, E. and Hars, B., Is increase in post-learning paradoxical sleep modified by cueing?, 243
Hertz, B.G., Acuity card testing of retarded children, 85
Hess, C. and Blozovski, D., Hippocampal muscarinic cholinergic mediation of spontaneous alternation and fear in the developing rat, 203

I

Ioalè, P., see Bingman, V.P., 147

J

Jurgens, S., see Bielajew, C., 233

L

Lagers-Van Haselen, G.C., see Van Hof, M.W., 157
Lane, R.F., see Broderick, P.A., 31
Le Bars, D., see Calvino, B., 11
Lewińska, M.K., see Eckersdorf, B., 161
Lipp, H.-P., Schwegler, H., Heimrich, B., Cerbone, A. and Sadile, A.G., Strain-specific correlations between hippocampal structural traits and habituation in a spatial novelty situation, 111
Lorden, J.F. and Sims, J.S., Monosodium L-glutamate lesions reduce susceptibility to hypoglycemic feeding and convulsions, 139
Love, S., see Rose, F.D., 195

M

MacKay, W.A. and Crammond, D.J., Neuronal correlates in posterior parietal lobe of the expectation of events, 167
McNaughton, N. and Morris, R.G.M., Chlordiazepoxide, an anxiolytic benzodiazepine, impairs place navigation in rats, 39
Michael, R.P., see Schaefer, G.J., 215
Mittleman, G., see Whishaw, I.Q., 125
Morris, R.G.M., see McNaughton, N., 39

O

Oakley, D.A., see Goldstein, L.H., 181

P

Pranzatelli, M.R., Schulz, L. and Snodgrass, S.R., High-dose clonidine motor syndrome: relationship to serotonin syndrome, 221

R

Reuter, J.H., Tilt discrimination in the mouse, 81
Ribeiro-Do-Valle, L.E., Absence of complete internasal-interocular transfer of habituation of exploratory behavior in rats, 47
Rick, J., see Fouriezos, G., 73
Rose, F.D., Davey, M.J., Love, S. and Dell, P.A., Environmental enrichment and recovery from contralateral sensory neglect in rats with large unilateral neocortical lesions, 195

S

Sadile, A.G., see Lipp, H.-P., 111
Schaefer, G.J., West, C.H.K. and Michael, R.P., Self-training for brain stimulation in the medial forebrain bundle of rats: a comparison of saline with amphetamine, 215
Schulz, L., see Pranzatelli, M.R., 221
Schwegler, H., see Lipp, H.-P., 111
Sims, J.S., see Lorden, J.F., 139
Snodgrass, S.R., see Pranzatelli, M.R., 221
Sommerfelt, L. and Ursin, R., The effects of zimeldine and alaproclate combined with a small dose of 5-HTP on waking and sleep stages in cats, 1

T

Timney, B., see Whittle, E.J., 101

U

Ursin, R., see Sommerfelt, L., 1

V

Van Hof, M.W., De Vos-Korthals, W.H. and Lagers-Van Haselen, G.C., Eye-closure procedure and the visual deficit after unilateral ablation of the occipital lobe in the rabbit, 157

W

Walker, S., see Fouriezos, G., 73
West, C.H.K., see Schaefer, G.J., 215
Whishaw, I.Q., Hippocampal, granule cell and CA_{3-4} lesions impair formation of a place learning-set in the rat and induce reflex epilepsy, 59
Whishaw, I.Q., Mittleman, G., Bunch, S.T. and Dunnett, S.B., Impairments in the acquisition, retention and selection of spatial navigation strategies after medial caudate-putamen lesions in rats, 125
Whittle, E.J., Bryans, C. and Timney, B., Visual acuity in esotropic cats following occlusion of the non-deviating eye, 101

Behavioural Brain Research, 24 (1987) 253–258
Elsevier

Key Word Index

A

Acuity
retarded; Down's syndrome; acuity card; preferential looking; child, 85

strabismus; amblyopia; binocular competition; cat, 101

Acuity card
retarded; Down's syndrome; preferential looking; acuity; child, 85

Alaproclate
electroencephalographic synchronization; slow wave sleep; rapid eye movement sleep; serotonin; zimeldine; serotonin; cat,1

Albino mouse
tilt threshold; pattern discrimination; pigmented mouse, 81

Amblyopia
strabismus; acuity; binocular competition; cat, 101

Amphetamine
seryl enkephalinamide; (WY 42,896) (Wy); morphine; locomotion; stereotypic behavior; striatal dopamine; underlying neuronal mechanism, 31

brain self-stimulation; auto-shaping; medial forebrain bundle–lateral hypothalamus; stress; operant behavior, 215

Antero-medial hypothalamus
emotional–defensive response; kainic acid; carbachol; cat, 161

Arm movement
parietal cortex; extracellular recording; predictive neuronal activity; primate, 167

Arthritic rat
chronic pain; clinical observation; pain-related test; radiological analysis; time course of the disease, 11

Atropine
spontaneous alternation; fear; ontogeny; scopolamine; cholinergic mechanism; hippocampal complex; rat, 203

Auto-shaping
brain self-stimulation; medial forebrain bundle–lateral hypothalamus; amphetamine; stress; operant behavior, 215

B

Behavioral arousal
selective breeding; exploration; habituation; hippocampal terminal field; morphometry; Naples high-excitable rat; Naples low-excitable rat, 111

Benzodiazepine
chlordiazepoxide; place navigation; hippocampus; rat, 39

Binocular competition
strabismus; amblyopia; acuity; cat, 101

Brain self-stimulation
auto-shaping; medial forebrain bundle–lateral hypothalamus; amphetamine; stress; operant behavior, 215

Brain-stimulation reward
self-stimulation; refractory period; forebrain; rat, 73

self-stimulation; pulse duration refractory period, 233

C

CA_{3-4} cell
spatial navigation; hippocampus; granule cell; parietal cortex; parietal space; reflex epilepsy in rat, 59

Carbachol
emotional–defensive response; antero-medial hypothalamus; kainic acid; cat, 161

Cat
electroencephalographic synchronization; slow wave sleep; rapid eye movement sleep; serotonin; zimeldine; alaproclate; serotonin, 1

strabismus; amblyopia; acuity; binocular competition, 101

emotional–defensive response; antero-medial hypothalamus; kainic acid; carbachol, 161

Caudate-putamen
neostriatum; ibotenic acid; Morris water task; spatial navigation; place navigation; cue navigation, 125

Characteristics of paradoxical sleep
post-learning paradoxical sleep; cueing treatment; memory reactivation, 243

Child
retarded; Down's syndrome; acuity card; preferential looking; acuity, 85

Chlordiazepoxide
benzodiazepine; place navigation; hippocampus; rat, 39

Cholinergic mechanism
spontaneous alternation; fear; ontogeny; atropine; scopolamine; hippocampal complex; rat, 203

Chronic pain
clinical observation; pain-related test; radiological analysis; time course of the disease; arthritic rat, 11

Circumventricular organ
monosodium L-glutamate; insulin; D-deoxy-D-glucose; hypophagia, 139

Clinical observation
chronic pain; pain-related test; radiological analysis; time course of the disease; arthritic rat, 11

Clonidine
serotonin syndrome; locomotor activity; habituation; tremor, 221

Compensation
contralateral neglect; enriched environment; impoverished environment; recovery; hemidecorticate rat, 195

Contralateral neglect
enriched environment; impoverished environment; recovery; compensation; hemidecorticate rat, 195

Cue navigation
caudate-putamen; neostriatum; ibotenic acid; Morris water task; spatial navigation; place navigation, 125

Cueing treatment
post-learning paradoxical sleep; characteristics of paradoxical sleep; memory reactivation, 243

D

D-deoxy-D-glucose
monosodium L-glutamate; insulin; hypophagia; circumventricular organ, 139

Decortication
visual cortex; horizontal/vertical discrimination; form discrimination; rotated obliques problem; transfer of discrimination; reversal of discrimination; rat, 181

Down's syndrome
retarded; acuity card; preferential looking; acuity; child, 85

E

Electroencephalographic synchronization
slow wave sleep; rapid eye movement sleep; serotonin; zimeldine; alaproclate; serotonin; cat, 1

Emotional–defensive response
antero-medial hypothalamus; kainic acid; carbachol; cat, 161

Enriched environment
contralateral neglect; impoverished environment; recovery; compensation; hemidecorticate rat, 195

Exploration
selective breeding; behavioral arousal; habituation; hippocampal terminal field; morphometry; Naples high-excitable rat; Naples low-excitable rat, 111

Exploratory behavior
habituation; internasal-interocular transfer; rat, 47

Extracellular recording
parietal cortex; predictive neuronal activity; primate; arm movement, 167

Eye–arm coordination
sensory–motor interaction; tracking; prediction, 93

F

Fear
spontaneous alternation; ontogeny; atropine; scopolamine; cholinergic mechanism; hippocampal complex; rat, 203

Forebrain
self-stimulation; brain-stimulation reward; refractory period; rat, 73

Form discrimination
visual cortex; horizontal/vertical discrimination; rotated obliques problem; transfer of discrimination; reversal of discrimination; decortication; rat, 181

G

Granule cell
spatial navigation; hippocampus; CA_{3-4} cell; parietal cortex; parietal space; reflex epilepsy in rat, 59

H

Habituation
exploratory behavior; internasal-interocular transfer; rat, 47

selective breeding; behavioral arousal; exploration; hippocampal terminal field; morphometry; Naples high-excitable rat; Naples low-excitable rat, 111

clonidine; serotonin syndrome; locomotor activity; tremor, 221

Hemidecorticate rat
contralateral neglect; enriched environment; impoverished environment; recovery; compensation, 195

Hippocampal terminal field
selective breeding; behavioral arousal; exploration; habituation; morphometry; Naples high-excitable rat; Naples low-excitable rat, 111

Hippocampal ablation
post-ablation retention; homing; spatial behavior; pigeon, 147

Hippocampal complex
spontaneous alternation; fear; ontogeny; atropine; scopolamine; cholinergic mechanism; rat, 203

Hippocampus
chlordiazepoxide; benzodiazepine; place navigation; rat, 39

spatial navigation; granule cell; CA_{3-4} cell; parietal cortex; parietal space; reflex epilepsy in rat, 59

Homing
hippocampal ablation; post-ablation retention; spatial behavior; pigeon, 147

Horizontal/vertical discrimination
visual cortex; form discrimination; rotated obliques problem; transfer of discrimination; reversal of discrimination; decortication; rat, 181

Hypophagia
monosodium L-glutamate; insulin; D-deoxy-D-glucose; circumventricular organ, 139

I

Ibotenic acid
caudate-putamen; neostriatum; Morris water task; spatial navigation; place navigation; cue navigation, 125

Impoverished environment
contralateral neglect; enriched environment; recovery; compensation; hemidecorticate rat, 195

Insulin
monosodium L-glutamate; D-deoxy-D-glucose; hypophagia; circumventricular organ, 139

Internasal-interocular transfer
habituation; exploratory behavior; rat, 47

K

Kainic acid
emotional–defensive response; antero-medial hypothalamus; carbachol; cat, 161

L

Locomotion
seryl enkephalinamide; (WY 42,896) (Wy); amphetamine; morphine; stereotypic behavior; striatal dopamine; underlying neuronal mechanism, 31

Locomotor activity
clonidine; serotonin syndrome; habituation; tremor, 221

M

Medial forebrain bundle–lateral hypothalamus
brain self-stimulation; auto-shaping; amphetamine; stress; operant behavior, 215

Memory reactivation
post-learning paradoxical sleep; cueing treatment; characteristics of paradoxical sleep, 243

Monosodium L-glutamate
insulin; D-deoxy-D-glucose; hypophagia; circumventricular organ, 139

Morphine
seryl enkephalinamide; (WY 42,896) (Wy); amphetamine; locomotion; stereotypic behavior; striatal dopamine; underlying neuronal mechanism, 31

Morphometry
selective breeding; behavioral arousal; exploration; habituation; hippocampal terminal field; Naples high-excitable rat; Naples low-excitable rat, 111

Morris water task
caudate-putamen; neostriatum; ibotenic acid; spatial navigation; place navigation; cue navigation, 125

N

Naples high-excitable rat
selective breeding; behavioral arousal; exploration; habituation; hippocampal terminal field; morphometry; Naples low-excitable rat, 111

Naples low-excitable rat
selective breeding; behavioral arousal; exploration; habituation; hippocampal terminal field; morphometry; Naples high-excitable rat, 111

Neostriatum
caudate-putamen; ibotenic acid; Morris water task; spatial navigation; place navigation; cue navigation, 125

O

Occipital lobe
visual deficit; rabbit, 157

Ontogeny
spontaneous alternation; fear; atropine; scopolamine; cholinergic mechanism; hippocampal complex; rat, 203

Operant behavior
brain self-stimulation; auto-shaping; medial forebrain bundle–lateral hypothalamus; amphetamine; stress, 215

P

Pain-related test
chronic pain; clinical observation; radiological analysis; time course of the disease; arthritic rat, 11

Parietal cortex
spatial navigation; hippocampus; granule cell; CA_{3-4} cell; parietal space; reflex epilepsy in rat, 59

extracellular recording; predictive neuronal activity; primate; arm movement, 167

Parietal space
spatial navigation; hippocampus; granule cell; CA_{3-4} cell; parietal cortex; reflex epilepsy in rat, 59

Pattern discrimination
tilt threshold; albino mouse; pigmented mouse, 81

Pigeon
hippocampal ablation; post-ablation retention; homing; spatial behavior,147

Pigmented mouse
tilt threshold; pattern discrimination; albino mouse, 81

Place navigation
chlordiazepoxide; benzodiazepine; hippocampus; rat, 39

caudate-putamen; neostriatum; ibotenic acid; Morris water task; spatial navigation; cue navigation, 125

Post-ablation retention
hippocampal ablation; homing; spatial behavior; pigeon, 147

Post-learning paradoxical sleep
cueing treatment; characteristics of paradoxical sleep; memory reactivation, 243

Prediction
sensory–motor interaction; eye–arm coordination; tracking, 93

Predictive neuronal activity
parietal cortex; extracellular recording; primate; arm movement, 167

Preferential looking
retarded; Down's syndrome; acuity card; acuity; child, 85

Primate
parietal cortex; extracellular recording; predictive neuronal activity; arm movement, 167

Pulse duration
brain-stimulation reward; self-stimulation; refractory period, 233

R

Rabbit
visual deficit; occipital lobe, 157

Radiological analysis
chronic pain; clinical observation; pain-related test; time course of the disease; arthritic rat, 11

Rapid eye movement sleep
electroencephalographic synchronization; slow wave sleep; serotonin; zimeldine; alaproclate; serotonin; cat, 1

Rat
chlordiazepoxide; benzodiazepine; place navigation; hippocampus, 39

habituation; exploratory behavior; internasal-interocular transfer, 47

self-stimulation; brain-stimulation reward; refractory period; forebrain, 73

visual cortex; horizontal/vertical discrimination; form discrimination; rotated obliques problem; transfer of discrimination; reversal of discrimination; decortication, 181

spontaneous alternation; fear; ontogeny; atropine; scopolamine; cholinergic mechanism; hippocampal complex, 203

Recovery
contralateral neglect; enriched environment; impoverished environment; compensation; hemidecorticate rat, 195

Reflex epilepsy in rat
spatial navigation; hippocampus; granule cell; CA_{3-4} cell; parietal cortex; parietal space, 59

Refractory period
self-stimulation; brain-stimulation reward; forebrain; rat, 73

brain-stimulation reward; self-stimulation; pulse duration, 233

Retarded
Down's syndrome; acuity card; preferential looking; acuity; child, 85

Reversal of discrimination
visual cortex; horizontal/vertical discrimination; form discrimination; rotated obliques problem; transfer of discrimination; decortication; rat, 181

Rotated obliques problem
visual cortex; horizontal/vertical discrimination; form discrimination; transfer of discrimination; reversal of discrimination; decortication; rat, 181

S

Scopolamine
spontaneous alternation; fear; ontogeny; atropine; cholinergic mechanism; hippocampal complex; rat, 203

Selective breeding
behavioral arousal; exploration; habituation; hippocampal terminal field; morphometry; Naples high-excitable rat; Naples low-excitable rat, 111

Self-stimulation
brain-stimulation reward; refractory period; forebrain; rat, 73

brain-stimulation reward; pulse duration; refractory period, 233

Sensory–motor interaction
eye–arm coordination; tracking; prediction, 93

Serotonin
electroencephalographic synchronization; slow wave sleep; rapid eye movement sleep; zimeldine; alaproclate; serotonin; cat, 1

electroencephalographic synchronization; slow wave sleep; rapid eye movement sleep; serotonin; zimeldine; alaproclate; cat, 1

Serotonin syndrome
clonidine; locomotor activity; habituation; tremor, 221

Seryl enkephalinamide
(WY 42,896) (Wy); amphetamine; morphine; locomotion; stereotypic behavior; striatal dopamine; underlying neuronal mechanisms, 31

Slow wave sleep
electroencephalographic synchronization; rapid eye movement sleep; serotonin; zimeldine; alaproclate; serotonin; cat, 1

Spatial behavior
hippocampal ablation; post-ablation retention; homing; pigeon, 147

Spatial navigation
hippocampus; granule cell; CA_{3-4} cell; parietal cortex; parietal space; reflex epilepsy in rat, 59

caudate-putamen; neostriatum; ibotenic acid; Morris water task; place navigation; cue navigation, 125

Spontaneous alternation
fear; ontogeny; atropine; scopolamine; cholinergic mechanism; hippocampal complex; rat, 203

Stereotypic behavior
seryl enkephalinamide; (WY 42,896) (Wy); amphetamine; morphine; locomotion; striatal dopamine; underlying neuronal mechanism, 31

Strabismus
amblyopia; acuity; binocular competition; cat, 101

Stress
brain self-stimulation; auto-shaping; medial forebrain bundle–lateral hypothalamus; amphetamine; operant behavior, 215

Striatal dopamine
seryl enkephalinamide; (WY 42,896) (Wy); amphetamine; morphine; locomotion; stereotypic behavior; underlying neuronal mechanism, 31

T

Tilt threshold
pattern discrimination; albino mouse; pigmented mouse, 81

Time course of the disease
chronic pain; clinical observation; pain-related test; radiological analysis; arthritic rat, 11

Tracking
sensory–motor interaction; eye–arm coordination; prediction, 93

Transfer of discrimination
visual cortex; horizontal/vertical discrimination; form discrimination; rotated obliques problem; reversal of discrimination; decortication; rat, 181

Tremor
clonidine; serotonin syndrome; locomotor activity; habituation, 221

U

Underlying neuronal mechanism
seryl enkephalinamide; (WY 42,896) (Wy); amphetamine; morphine; locomotion; stereotypic behavior; striatal dopamine, 31

V

Visual cortex
horizontal/vertical discrimination; form discrimination; rotated obliques problem; transfer of discrimination; reversal of discrimination; decortication; rat, 181

Visual deficit
occipital lobe; rabbit, 157

W

(WY 42,896) (Wy)
seryl enkephalinamide; amphetamine; morphine; locomotion; stereotypic behavior; striatal dopamine; underlying neuronal mechanism, 31

Z

Zimeldine
electroencephalographic synchronization; slow wave sleep; rapid eye movement sleep; serotonin; alaproclate; serotonin; cat, 1